

Workshop on New Approaches to Liquefaction Analysis
Moderator: Edward Kavazanjian, Jr., GeoSyntec Consultants

Opening Remarks, Phillip Yen, FHWA Office of Research

- 9:00 am **Introduction, Edward Kavazanjian, Jr., GeoSyntec Consultants**
- 9:10 am **MCEER Recommendations for Ground Motion Characterization for Seismic Design of Highway Facilities, Ian M. Friedland, MCEER**
- 9:30 am **Update on Seed-Idriss Simplified Method, I.M. Idriss, University of California - Davis**
- 10:00 am **Energy Measurements During SPT Testing, Jeffrey A. Farrar, US Bureau of Reclamation**
- 10:20-10:40 am BREAK**
- 10:40 am **Nonintrusive Evaluation of Liquefaction Potential, Kenneth H. Stokoe, II, University of Texas at Austin**
- 11:00 am **Exercise on Evaluation of Liquefaction Potential**
- 11:30 am **Estimating Liquefaction-Induced Ground Deformations, T. Leslie Youd, Brigham Young University**
- 12:00-1:00 pm LUNCH (ON YOUR OWN)**
- 1:00 pm **Evaluating Residual Shear Strength, Raymond B. Seed, University of California - Berkely**
- 1:30 pm **Exercise on Post Liquefaction Stability and Deformation**
- 2:00 pm **Lateral Resistance of Piles in Liquefiable Soils, Ricardo Dobry, Rensselaer Polytechnic Institute**
- 2:30-2:50 pm BREAK**
- 2:50 pm **Improvement of Liquefiable Soils, James K. Mitchell, Virginia Polytechnic Institute and State University**
- 3:20 pm **Remediation of Bridge Foundations in Liquefiable Soils, Geoffrey R. Martin, University of Southern California**
- 3:50 pm **Effective Stress Analysis of Soil Liquefaction, W. D. Liam Finn, University of British Columbia, Canada**
- 4:20-5:00 pm Panel Discussion on Current Developments and Needs in Liquefaction Analysis**

NOTE: Session 41: Seismic Ground Hazard, Monday, January 11, 1999, is an expert panel discussion on liquefaction.